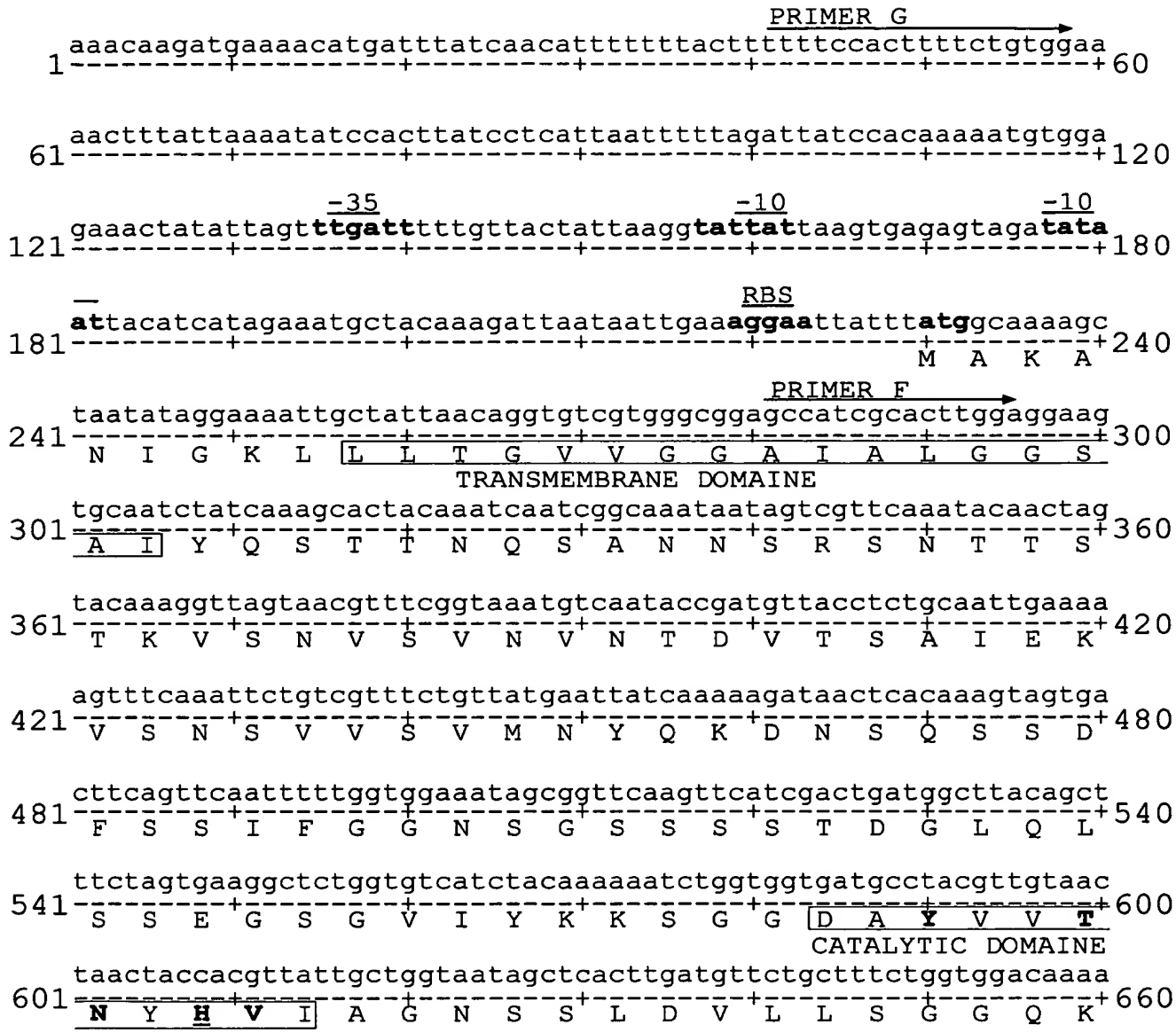

FIG. 1

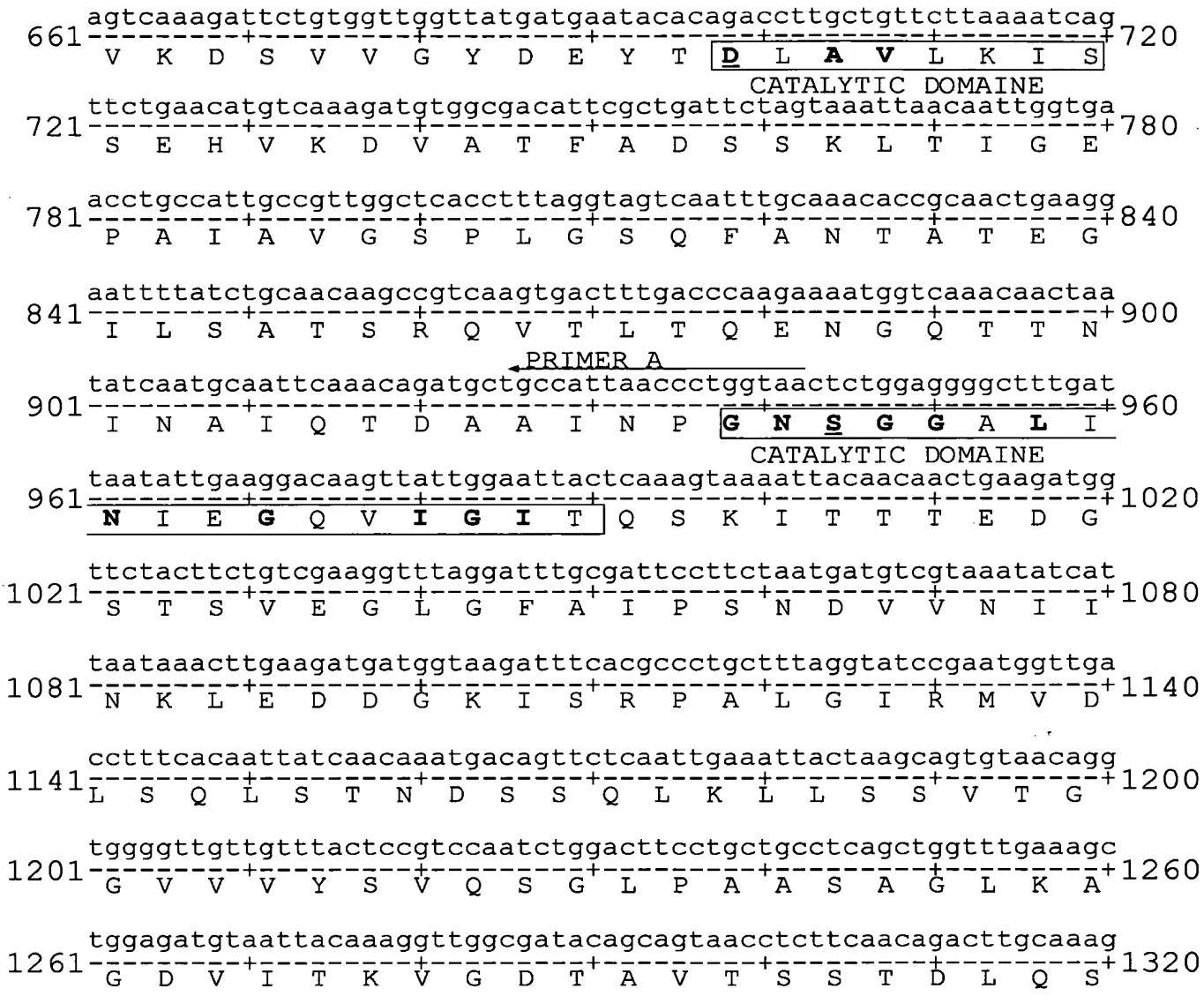

FIG. 1
(CONTINUED)

```
1321 tgctctttactcacacaatatcaatgatacagtaaaagttacttattatcgtgatggtaa 1380
       A  L  Y  S  H  N  I  N  D  T  V  K  V  T  Y  Y  R  D  G  K

1381 atcaaatacagcagatgttaaactttctaaatcaaccagtgacttagaaacaagcagtcc 1440
       S  N  T  A  D  V  K  L  S  K  S  T  S  D  L  E  T  S  S  P

1441 atcttcttctaattaataacttaataatttaataaaagtcttctgtaaatagaaggcttt 1500
       S  S  S  N

1501 tttcatactaaagtctgaaatttttaaaaataataaatttccatttttctttattgatt 1560

1561 tatggtaaaataaagttaagcatgaaaattttactttacttagaagccgaacaatttttg 1620

1621 agtcattcaggaattggtcgtgcaatgaaacatcaacaacgcgcccttgatttaatgggc 1680

1681 attgactggacaaaaaatcctgaggatgattacgatatcctccatttaaatacttatggc 1740
```

FIG. 1
(CONTINUED)

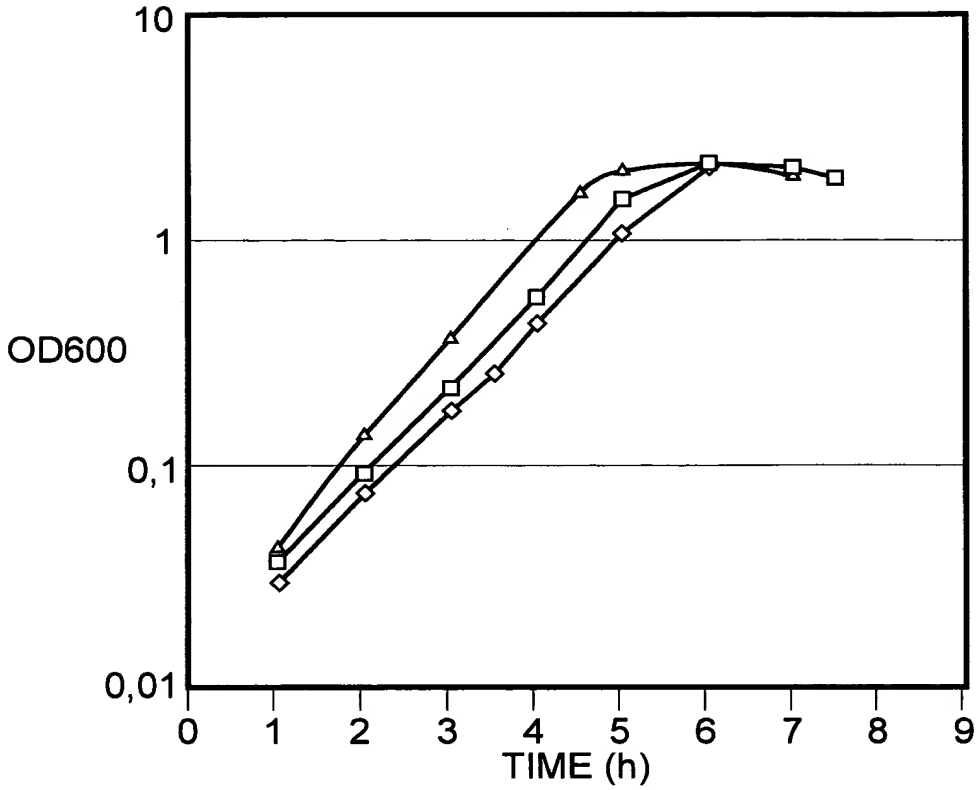
10
1
0,1
0,01
OD600
0
1
2
3
4
5
6
7
8
9
TIME (h)

FIG. 2A

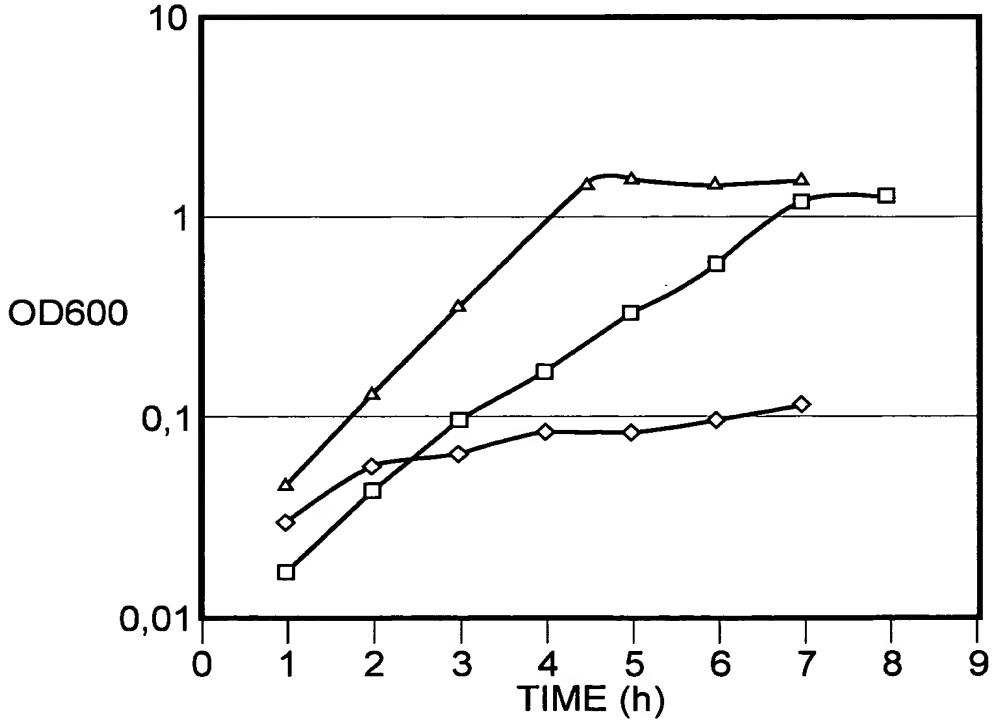
10
1
0,1
0,01
OD600
0
1
2
3
4
5
6
7
8
9
TIME (h)

FIG. 2B

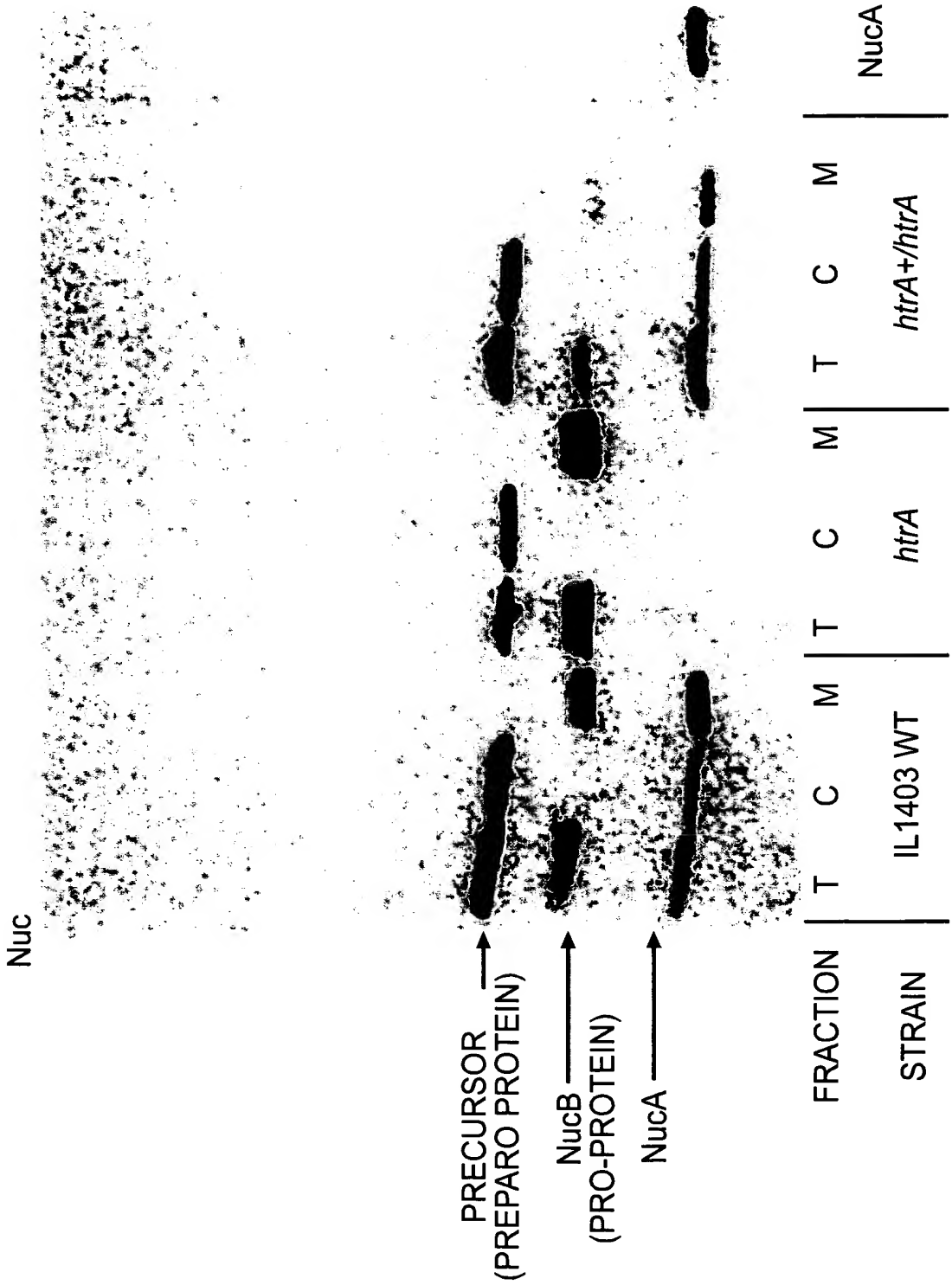
Nuc
PRECURSOR
(PREPARO PROTEIN)
NucB
(PRO-PROTEIN)
NucA
FRACTION
T C M T C M T C M
NucA
STRAIN
IL1403 WT
htrA
htrA+/htrA

FIG. 3

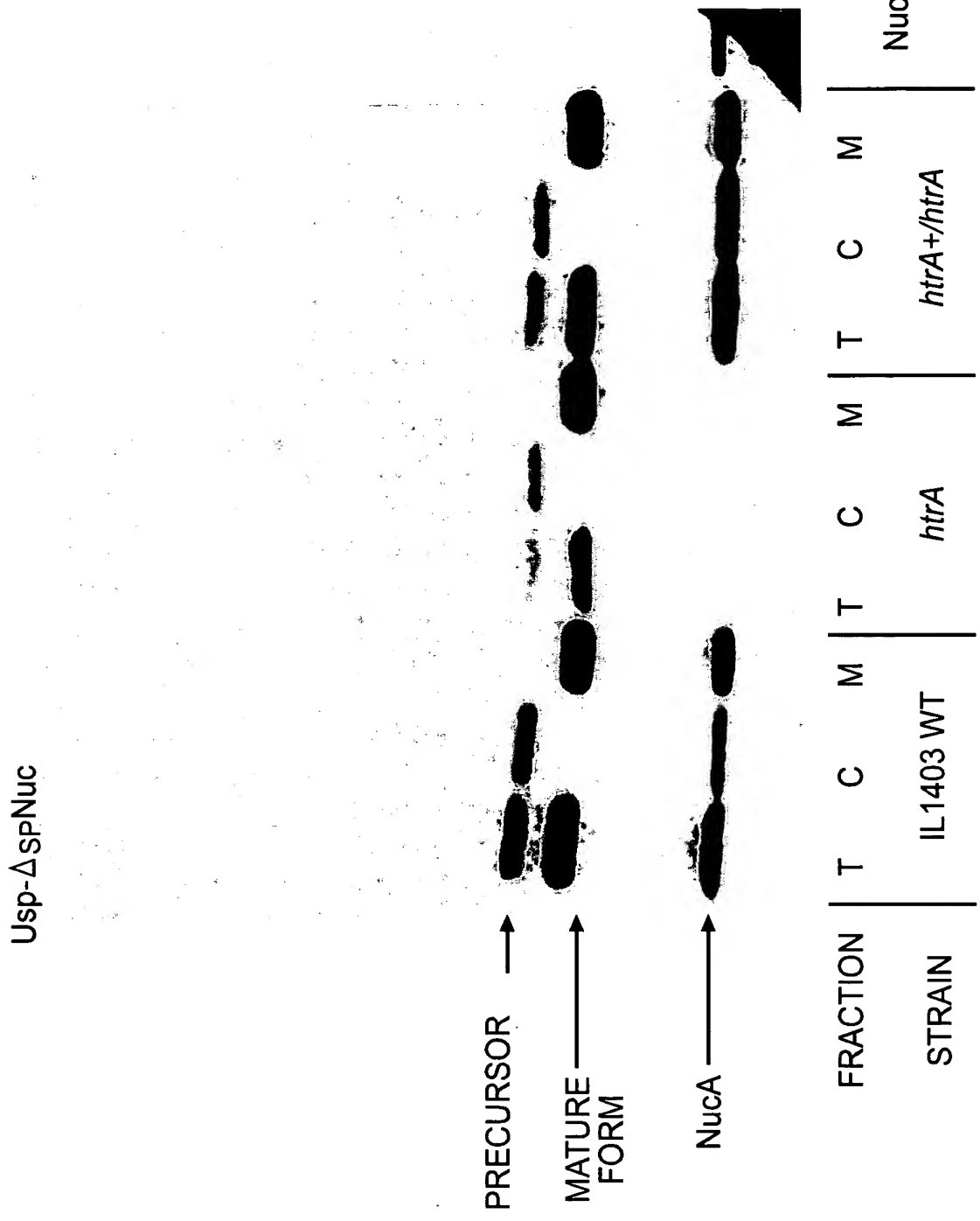
Usp-ΔSPNuc
PRECURSOR
MATURE FORM
NucA
FRACTION
STRAIN
T C M T C M T C M
IL1403 WT
htrA
htrA+/htrA
NucA

FIG. 4

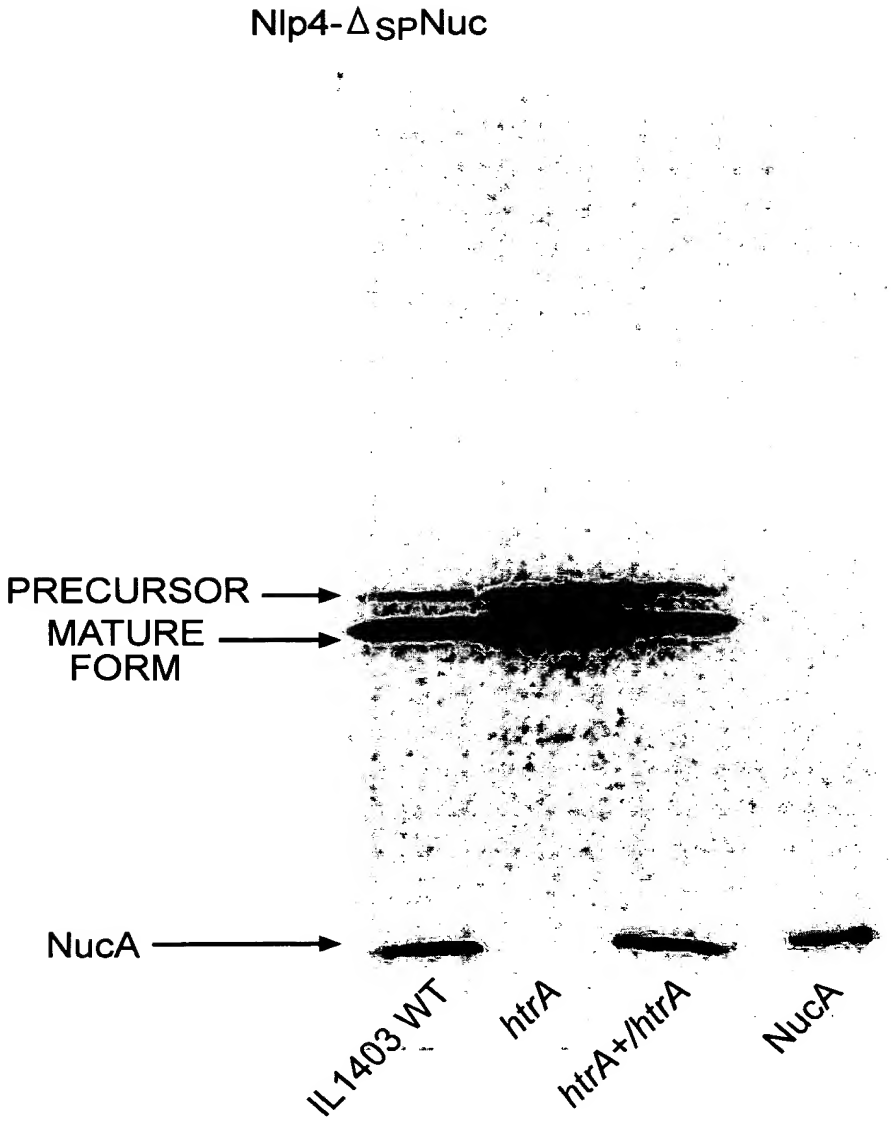
Nlp4-ΔSPNuc
PRECURSOR
MATURE FORM
NucA
IL1403 WT
htrA
htrA+/htrA
NucA

FIG. 5

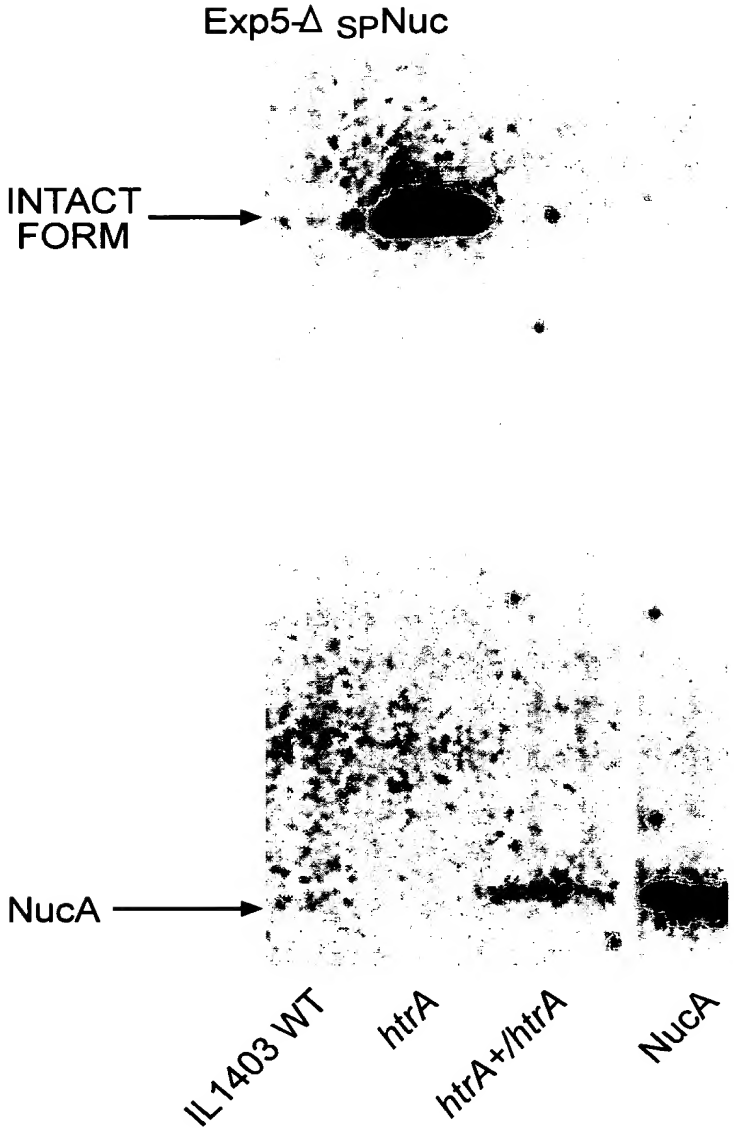

FIG. 6

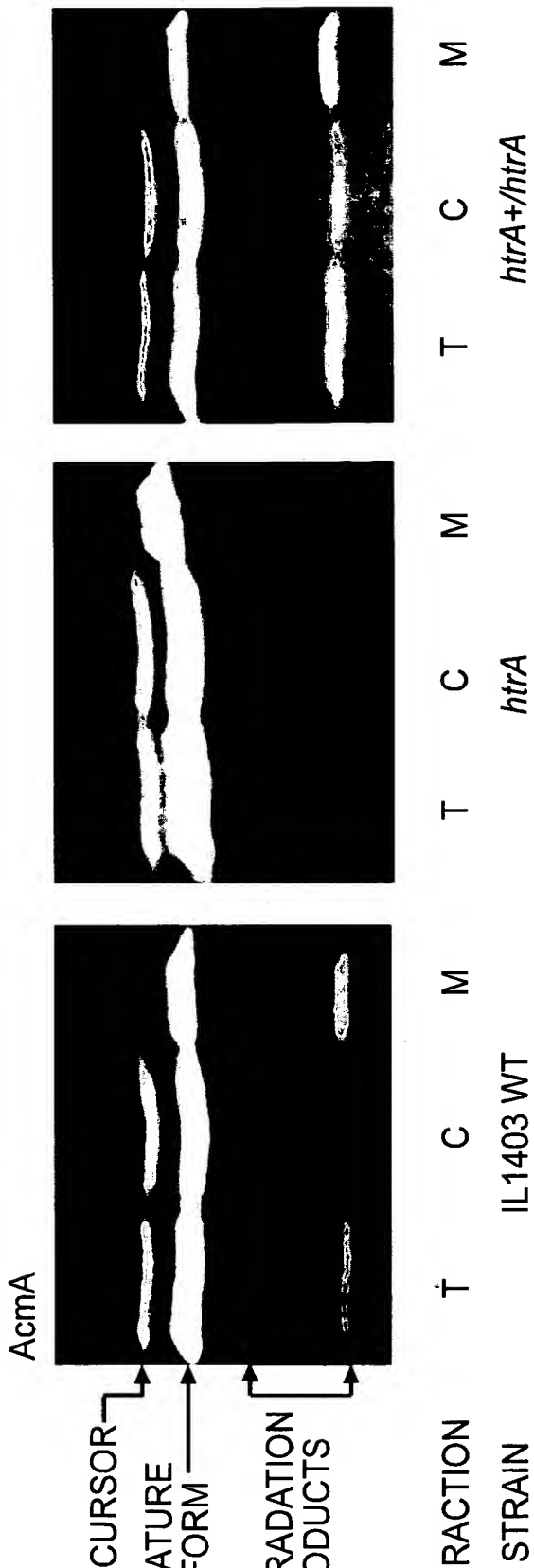
AcmA
PRECURSOR
MATURE FORM
DEGRADATION PRODUCTS
FRACTION T C M T C M T C M
STRAIN IL1403 WT htrA htrA+/htrA

FIG. 7